

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 April 2001 (12.04.2001)

PCT

(10) International Publication Number
WO 01/25322 A1

- (51) International Patent Classification⁷: C08J 9/30, [GB/GB]; 28 Wynecote Court, Newcastle upon Tyne NE7 7BG (GB).
9/28, C09D 5/00, C11D 3/37
- (21) International Application Number: PCT/US00/27332 (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (22) International Filing Date: 4 October 2000 (04.10.2000)
- (25) Filing Language: English (81) Designated States (*national*): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (26) Publication Language: English
- (30) Priority Data:
9923344.7 5 October 1999 (05.10.1999) GB
9923393.4 5 October 1999 (05.10.1999) GB
0010599.9 3 May 2000 (03.05.2000) GB
0022523.5 13 September 2000 (13.09.2000) GB
- (71) Applicant (*for all designated States except US*): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): MCGOFF, Matthew, Grady [US/GB]; 3 Jesmond Park Mews, Jesmond Park West, Newcastle Upon Tyne NE7 7BA (GB). STEPHENS, Scott, Edward [US/GB]; 25 Deneside Court, Newcastle Upon Tyne NE2 1JW (GB). TANTAWY, Hossam, Hassan [GB/GB]; The Chimes Lodge, Fulbeck, Morpeth NE61 3JT (GB). DRIFFIELD, Christopher, Charles [GB/GB]; 12 Westlands, High Heaton, Newcastle Upon Tyne NE7 7YN (GB). DUFTON, Daniel, James
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WATER UNSTABLE FOAM

(57) Abstract: A foam component is provided which comprises a mixture of a polymeric material, a dissolution aid, and an active ingredient, preferably being active in an aqueous environment, the foam component being stable upon contact with air and unstable upon contact with water. Said foam component provides a means to deliver an active ingredient to an aqueous environment, preferably the active ingredients being a detergent active ingredient, preferably enzymes, and the aqueous environment being the wash water.

WO 01/25322 A1